Bruhat Bengaluru
Mahanagara Palike

BRUHAT BENGALURU MAHANGARA PALIKE
OFFICE OF THE DEPUTY CHIEF INFORMATION OFFICER-IT

Tender Notification No. BBMP/DCIO-IT/GL/905/2023-24

Tender Document for Procurement of Desktop Computers, UPS and Structural Local Area Networking for BBMP Zonal Offices, Schools and Colleges etc.

Office of the Deputy Chief Information Officer (IT)
BBMP Head Office, 2nd Floor, Annex Building-2
N.R.Square, Bengaluru-560002
Ph: 9480688000, E-Mail: dcio-it@bbmp.gov.in

Bruhat Bengaluru Mahanagara Palike

BRUHAT BENGALURU MAHANAGARA PALIKE

IT DEPARTMENT

Office of the Deputy Chief Information Officer-IT, 2nd Floor, Annex Building-2 NR Square, BBMP, Bengaluru - 560002
Ph: 9480688000, E-Mail: dcio-it@bbmp.gov.in

No. BBMP/DCIO-IT/GL/905/2023-24 **Dated: 02-03-2024**

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IT Department

Office of the Deputy Chief Information Officer-IT, 2nd Floor, Annex Building-2
NR Square, BBMP, Bengaluru - 560002
Ph: 9480688000, E-Mail: dcio-it@bbmp.gov.in

No. BBMP/DCIO-IT/GL/905/2023-24 **Dated: 02-03-2024**

Short Term Tender Notification

The Deputy Chief Information Officer, BBMP IT Department on behalf of Chief Commissioner, BBMP invites Proposals through Karnataka Public Procurement Portal from eligible companies for Procurement of **Desktop Computers, UPS and Structural Local Area Networking Equipments** to BBMP Zonal Offices, Schools and Colleges etc.

All interested bidders shall submit their Technical and Commercial bids electronically through Karnataka Public Procurement Portal (https://kppp.karnataka.gov.in).

The tender schedule is as mentioned below:

Tender Reference No	**BBMP/DCIO-IT/GL/905/2023-24**
Date from which Bid document is ready for download through Karnataka Public Procurement Portal of Government of Karnataka https://kppp.karnataka.gov.in	02-03-2024
Last date for seeking clarification if any	07-03-2024 @ 15-00 Hrs
Date of Pre-bid Meeting	11-03-2024 @ 16-00 Hrs
Last date and time for uploading of tender in Karnataka Public Procurement Portal platform	13-03-2024 up to 17-00 Hrs
Date and time of opening of tenders: Technical Bid & Technical Evaluation	15-03-2024 @ 11-00 Hrs
Date and time of opening of tenders: Commercial Bid (If Possible)	17-03-2024 @ 11-00 Hrs
Contact Person for queries	DCIO, BBMP IT Section, Telephone : 9480688000, E Mail: dcio-it@bbmp.gov.in

Place of Opening of Tenders and Address for communication	**Office of the Deputy Chief Information Officer-IT, 2nd Floor, Annex-2 Building, NR Square, BBMP, Bengaluru - 560002**
EMD Amount	Rs.15,00,000/- (Rupees Fifteen Lakhs Only.)

Note: Completed tender shall be uploaded through Karnataka Public Procurement Portal system only in the manner described under instructions to Tenderers of RFP Documents on or before the last date & time stipulated.

Deputy Chief Information Officer - IT
Bruhat Bengaluru Mahanagara Palike

Table 1: Other important information related to the tender

SL.NO.	ITEM	DESCRIPTION
1	Bid Validity Period	180 days from the last date of submission of proposals.
2	Last date for furnishing performance security	Within 15 working days from the date of issue of Letter of Intent.
3	Performance security value *(Performance Bank Guarantee)*	3% of contract value.
4	Performance security validity period	6 months from the date of end of contract.
5	Deadline / last date for signing contract	Within 15 working days of notice of award.

SECTION - 1

INTRODUCTION

The BBMP IT Department requires Desktop Computers, UPS and Structural Local Area Networking to BBMP Zonal Offices, Schools, Colleges and LABs etc.

With the objective to Provide Desktop Computers, UPS and Structural Local Area Networking at BBMP Zonal Offices, Head Office, Schools and Colleges of Education Department etc. Hence, the IT Department invites proposals from eligible bidders for providing a total of 910 Nos. Desktop Computers, 377 Nos. UPS with required Structural Local Area Networking Services as per specification mentioned in Annexure-1, Annexure-2 Annexure-3 & Annexure-4. This tender is processed following the KTPP Act and Rules through Karnataka Public Procurement Portal of Government of Karnataka (https://kppp.karnataka.gov.in).

SECTION-2

SCOPE OF WORK

1. ***Technical Specification of the Desktop Computers, UPS, Network and Lab Setup:***
   The specifications of these are prescribed in **Annexure - 1, Annexure - 2 , Annexure-3, & Annexure-4.**

2. **Quantity Required:**
   Quantity required is 910 Desktop Computers, 377 UPS etc to be supplied to BBMP Zonal Office, Head Office, Schools, Colleges and LAB as per **Annexure-1, Annexure-2, Annexure-3 & Annexure-4.**

3. **Variation in quantity:**
   The total number of Desktop Computers required is 910, UPS 377 Nos (All Network Accessories) provided the quantity could be varied by + or - 25% at the time of issuing actual work order.

4. **Warranty**
   The materials supplied shall have 3 years on-site warranty against all the hardware parts and software and against all the damages. During the warranty and maintenance period, the bidder should conduct preventive maintenance once in a year besides attending calls.

5. **Scope of work**
   The successful bidder has to Supply, Install, Configure and Commission the Desktop Computers, UPS and Network Equipments as per specifications in **Annexure-1, Annexure-2, Annexure-3 and Annexure-4** with on-site comprehensive warranty for 3 (three) years including all the hardware parts and software with on-site support.

6. **Schedule of Supply of Products:**
   The Desktop Computers, UPS and Network Equipments shall be delivered to the identified BBMP Zonal Office, Head Office, Schools, Colleges and LAB and to be installed **within 4 weeks** from the date of receipt of purchase order. The bidder is solely responsible if the Desktop computers / UPS and Network Equipments is damaged/not functioning before handing over to the respective Offices as per **Annexure - 9** and has to set right the issue if any.

SECTION 3

PRE QUALIFICATION CRITERIA FOR TECHNICAL BID

The bidder shall possess the following criteria as minimum qualification to be eligible:-

Sl. No	Eligibility Criteria	Documents to be submitted
1.	Bidder should furnish copy of the Registration document where the company is registered under Indian Companies Act 1956/ Partnership Act 1932 /Proprietorship Act.	A copy of "Certificate of Incorporation" of the company / proprietor.
2.	Bidder shall be authorized dealer and shall submit Manufacturer Authorization Form (MAF) as per Annexure-7 or if Bidder is OEM, declaration shall be furnished to that effect as per Annexure-7.(Separet for each itme)	**Annexure-7**
3	The bidder/OEM should be ISO 9001 certified and in business for the last 3 years.	Copy of Valid Certificate to be enclosed.
4	Bidder should be registered under GST and should submit proof of filing GST returns for the past 12 tax periods.	Documentary evidence to be provided.
5	The bidder shall provide documentary proof of IT returns filed for previous three financial years.	IT Returns should be submitted
6	The bidder should have turnover of Rs. 12 Crores per annum in any 1 of the last 3 financial years from IT Enabled Services / Desktop computer Supplies and positive net worth (CA certificate to be enclosed)	**Annexure-6** Copy of the audited Balance Sheet and Profit and Loss statement of the company showing turnover of the company for last three years.

7	The bidder should have successfully executed Purchase Order worth 6 Crores for Government Department in Karnataka or Central Government or Government owned PSU or any other agencies for IT hardware products/Desktop computer and UPS Supplies in any of the last 3 financial years.	Customer PO copy and confirmation letter from the authority for having successfully executed the contract to be enclosed. (Also Year-wise excel sheet of all the work orders should be uploaded)
8	Company Information shall be furnished as per Annexure-8. Bidder/OEM should have Corporate/Regional office with good service and technical support team at different BBMP limits with authorized service centres with minimum of 2 service engineers in each of the service centres in the State of Karnataka.	**Annexure-8**
9	The bidder should not have been blacklisted by any organization in Karnataka for any reason whatsoever.	Self-Declaration Certificate should be enclosed.
10	The bidder would provide letter of compliance of the Technical specification indicated in Annexure-1, Annexure-2 Annexure-3 & Annexure-4	**Annexure-1, Annexure-2 Annexure-3 & Annexure-4**

SECTION-4

SERVICE LEVEL AGREEMENT AND PENALTY

1. Responsibilities of the Successful Bidder: -

a) The bidder should Supply, Install and Configure Desktop computers, UPS and Structural Local Area Networking as per Annexure-1, Annexure-2, Annexure-3 and Annexure-4 to all BBMP Zonal Office, Head Office, Schools and Colleges and any other designataed locations within 4 weeks.

b) Any damages to the Desktop Computers, UPS etc, within the warranty period should be immediately repaired or replaced within 3 working days.

c) The bidder must provide details of service centers with Complaint Management System. It should have a full-fledged Service Desk which will be a Single Point of Contact (SPOC) for all the users. The Service Desk should receive all Complaints via Phone/Mail and provide satisfactory resolution.

d) The Bidder should furnish its Complaints Escalation Matrix, clearly indicating all Resolution Levels from bottom to top, Contact Persons with Contact Numbers/ e-Mail IDs for each level.

e) The bidder should Supply, Install and Configure Desktop Computer, UPS as per Annexure-1, Annexure-2, Annexure-3 and Annexure-4 to the designated BBMP Offices / Colleges / Schools etc with in BBMP limits within 4 weeks.

f) Any damages for the Desktop Computes and UPS within the warranty period should be immediately repaired or replaced within 3 working days.

g) Performance Bank Guarantee: -

The successful bidder, within 15 days from the date of issue of letter of intent, will submit Performance Bank Guarantee of 3% of the value of the tender to IT Department valid for a period of 36 months.

h) **Contract Agreement:** -
The Successful Bidder has to execute agreement in Bond paper (Value of Stamp Paper will be 0.01% of Value of Contract) within 20 days from the date of issuance of purchase order on behalf in the form approved by the BBMP IT Department.

i) **Information Sharing:-**
Item description, make, model, items serial numbers, Date of supply, Date of warranty, Escalation Matrix are to be affixed in a sticker on individual unit and consolidated data shall be furnished to the BBMP IT Department in excel sheet.

2. **Penalty for delay in Supply and installation:-**

For delay in supply and installations of Desktop computers, UPS and LAN required accessories within 4 weeks from the date of receipt of purchase order, penalties as indicated below table would be applicable and the penalty amount will be deducted.

SL. NO	PENALTY PERIOD	PENALTY LEVIED FOR THE DELAY
1	After completion of 4 weeks from the date of receipt of purchase order.	Rs. 100/- per day per Desktop computers, UPS and Network Equipments (Inclusive of Government holidays)
2	After 6 weeks from the date of receipt of purchase order.	Rs. 200/- per day per Desktop computers, UPS and Network Equipments (Inclusive of Government holidays)
3.	After 8 weeks from the date of receipt of purchase order.	Rs. 300/- per day per Desktop computers, UPS and Network Equipments (Inclusive of Government holidays)

a) Any damages for the Desktop Computers, UPS and Network Accessories *within the warranty period should be immediately repaired or replaced* within 3 working days or else Penalty of Rs.300/- per day per Unit will be deducted from the PBG.

b) Any outstanding Penalty amount due on the date of submission of Invoice of Desktop computers will be straightaway deducted from the bill.

c) If there is no bill pending for payment then the penalty amount will be encashed from PBG.

d) **Penalty Cap:-**

The total penalty amount should not exceed 30% of the total value of the Tender. If the penalty for non-installation of Desktop computers / UPS / Network Equipments Not repairing within time reaches 90% of the value of the Performance Bank Guarantee, the Department may forfeit Bank Guarantee and Cancel purchase order.

3. **Terms of Payment:-**

The payment terms shall be as follows:

a) No advance payment shall be paid for the supply of computers.

b) The Bidder should submit the following documents for payment Deputy Chief Information Officer, BBMP IT:
   1. Original invoice
   2. Original Delivery Challan.
   3. Original installation report.
   4. Relevant Photos.

c) Payment shall be processed in full on receipt of the above documents and any outstanding amount due from the bidder will be deducted from the bills.

d) BBMP IT Department is entitled to make recoveries of GST, TDS and penalties, excess payment and applicable taxes from bidders invoice if lawfully needed.

e) In case of any change in rate of applicable GST, the difference of tax will be absolved by BBMP IT Department.

f) The bidder shall submit completion certificate in proper manner required by this office. Incomplete submission of completion certificate will delay the payment.

Note: The above reports shall be duly signed with seal and signature of the authorized person where the hardware is delivered/installed. (The documents shall be signed by the respective head of the School / Colleges or Head of Department).

4. <u>Litigation</u>

a) Amicable Settlement :-

The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or the interpretation thereof.

b) Dispute Settlement :-

Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement to the Chief Commissioner, Bruhat Bengaluru Mahanagara Palike whose decision shall be final.

c) **Arbitration:-**

In case either party is not satisfied with the decision of the above committee, they can institute arbitration proceedings as per Indian Arbitration and Conciliation Act, 1996, after a 30 day notice period. Any dispute or difference or claim arising out of or in connection with or relating to the present contract or the branch, termination or invalidity thereof, shall be referred and settled under the Arbitration Center, Karnataka (Domestic and International) Rules 2012, by one or more Arbitrators appointed in accordance with its rules. Arbitration proceedings shall be held in Bengaluru and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.

5. Termination of contract:-

IT Department reserves the right to cancel the contract placed on the bidder if:

a) The bidder commits breach of any of the terms and conditions.

b) The bidder goes into liquidation voluntarily or otherwise.

c) The service is found unsatisfactory during the warranty period.

d) The bidder supplies counterfeit / fake items.

e) The OEM terminates the contract with bidder.

f) The bidder wins the contract by misrepresenting facts relating to documents submitted for evaluation.

SECTION - 5

GENERAL TENDER CONDITIONS

Clause 1: IT Department, hereinafter called the "Department" invites tenders through e-procurment protal from specialized and eligible bidders for providing 910 **Desktop computers,** 377 **UPS and Structrual Local Area Networking equipments** as per specifications in **Annexure - 1, Annexure - 2, Annexure - 3, and Annexure - 4.**

Clause 2: Neither the bidder nor the OEM should have been blacklisted by any Government/PSU/Banking organization in India.

Clause 3: Each bidder should submit only one tender.

Clause 4: The bidder shall be responsible for all the costs associated with the preparation, submission and opening of tenders.

Clause 5: The tenders shall remain valid for a period not less than 180 days after the date of opening of tenders. If a bidder withdraws his tender during the validity of the tender then the EMD shall be forfeited.

Clause.6: At any time prior to the date and time of submission of the tenders, the Employer may issue any amendment to this tender document.

Clause.7: The bidders shall quote in Indian Rupees and the quoted price shall be inclusive of all taxes, duties, statutory levies, supplying, installing, commissioning, freight and forwarding. Any Change in the quoted price is not allowed after the submission of the bid.

Clause.8: Earnest Money Deposit (EMD):-

- The Bidders shall submit, along with their Pre-qualification cum Technical Bid, Bid security or EMD of Rs. 15,00,000/- (Rupees Fifteen Lakhs Only).
- Unsuccessful bidders' Earnest Money Deposit will be refunded as promptly as possible but not later than 45 days after the expiration of the period of tender validity prescribed.
- The bid security is required to protect the BBMP against the risk of Bidder's conduct, which would warrant the security's forfeiture. No

interest will be payable by the BBMP on the amount of the Bid Security. The bid security may be forfeited if a Bidder withdraws his bid or increases his quoted prices during the period of bid validity or its extended period, if any.

- The Service Provider shall, as part of its tender, pay the Earnest Money Deposit as specified.
- The Earnest Money Deposit is required to protect the Department against the risk of the firm's conduct which would warrant the security's forfeiture.
- The successful bidders Earnest Money Deposit will be refunded upon the bidder signing the Contract and furnishing the performance security.
- Earnest Money Deposit (EMD) will be forfeited:
  - If the bidders withdraw their tender during the period of tender validity specified by the Department or
  - In case of the successful bidder, if the bidder fails:

    (i) To sign the Contract.

    (ii) To furnish performance security.

Clause.8: Pre-Bid Meeting (PBM):

IT Department shall make best efforts to respond to any request for clarification for the Tender Document to the prospective bidders. Such requests are to be made in writing or through mail and are to be received by Department at least 2 working days before the Pre-Bid Meeting as per the date and time mentioned in the Schedule. The clarification will be uploaded in e-portal itself after the pre-bid meeting.

Clause.9: Submission, Receipt and Opening of Bids Timeline:-

The Original proposal shall be uploaded in the Karnataka Public Procurement Portal of Government of Karnataka on or before the due date. Tentative dates are mentioned in the Tender Schedule. Any changes in the schedule will be intimated in the e-Portal itself. Separate Communication will not be done; hence, bidders are requested to go through Karnataka Public Procurement Portal of Government of Karnataka (https://kppp.karnataka.gov.in) on regular basis.

Clause.10: Unresponsive Bids:-

Bids with incomplete documentation will be treated as non-responsive and summarily be rejected. Bidders are hereby directed to ensure that all documentation/supporting documentation including documentary evidence in support of qualification criteria, testimonials, etc., are complete and submitted as part of the Bid.

Clause.11: Bid Format:-

The tender is of Two Bids Proposal which consists of Technical and Commercial bids - to be submitted separately by the bidder on or before the specified date and time in Karnataka Public Procurement Portal in relevant fields only. No manual submission is permitted and uploading of commercial bid in any other format is not permissible. Manual submission / uploading commercial bid in any other formats are liable for rejection.

Clause.12: Bid Evaluation:

The Commercial bids of technically qualified bidders will be opened in e-portal as per the Tender schedule. The L1 bidder selection will be based on the lowest quote.

Clause.13: Award of Contract:

The contract will be awarded to the successful L1 Bidder whose Bid has been determined to be substantially responsive, with reasonableness and the Best Value Bid. However, the decision of IT Department, BBMP is final in this regard.

- BBMP IT Department is not liable or responsible for any error/ problem that may be faced while uploading bid in Karnataka Public Procurement Portal, online failure or any other reasons.
- BBMP IT Department reserves the right to cancel the tender for any reasons.

ANNEXURE - 1

TECHNICAL SPECIFICATIONS FOR DESKTOP COMPUTERS - i5

TECHNICAL SPECIFICATION | DESKTOP COMPUTER		
SL.NO	**PARAMETER / COMPONENT**	**SPECIFICATIONS**
1	Processor	*X86 based processor Intel Core i5 or AMD Ryzen 5 or equivalent, Latest generation
2	Chipset & Motherboard	Commercial class chipset with processor & OEM Mother board with OEM logo on the motherboard TPM 1.2 or higher
3	RAM	1x16 GB DDR4, 3200 MHz or higher, expandable up to 64 GB with 2 DIMM slots
4	Hard Drive	1TB SATA HDD or higher
5	Audio	Integrated HD Audio with Stereo Speakers
6	Ethernet	Integrated Gigabit Ethernet Connection [10/100/01000 Mbps]
7	Wi-Fi	Wireless LAN 802.11b//n with Bluetooth 4.0 or higher
8	Display Monitor	21.5" or higher, Anti Glare FHD IPS display, Low blue light, flicker free Display, HDMI and VGA port with VESA Mount kit for mounting mini desktop CPU on back, TCO 8.0 Certified,
9	Form Factor / cabinet	Less than 1.5L [Desktop Mini/Tiny PC/ Micro PC]
10	Keyboard	USB Keyboard [Same Make as PC]
11	Mouse	USB 2 button optical Scroll mouse [Same make as PC]
12	Ports	6 USB ports or higher [minimum 2 USB 3.2 Gen 2, 1 USB type C 3.2 Gen 2x2] 1 Ethernet [RJ-45] 2 DP Port 1 HDMI Head phone / Microphone combo jack (3.5 mm)
13	Certifications	For OEM : ISO 9001 : 2015 or Latest, ISO 14000, ISO 20000, ISO 27000, FCC CE, RoHS, Mil STD, Energy Star, TCO
		For PC : MS Windows, Energy Star, Mil STD, TCO, ROHS
14	Operating System	Pre-loaded Microsoft Windows 11 Pro 64 bit
15	Accessories	With required accessories, connecting cables and AC Adaptor should be supplied
16	Warranty	3 Years onsite comprehensive warranty
18	Security	Hardware based endpoint security controller TPM 2.0

		Integrated protection from malware that lurks on malicious websites
		Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications
19	Manageability	Computing endpoints with out-of-band manageability allowing technician to execute full remote control of computing endpoint over an Ethernet or Wi-Fi 802.11 connection, regardless of OS state. Endpoint could be on premise behind corporate firewall or outside the corporate firewall. IT admin should be able to monitor full boot up / reset sequence, including BIOS access, to identify any issue with the PC
20	Audio	Integrated HD audio with Stereo Speakers
21	Antivirus	*Pre-loaded with latest version of Antivirus* Symantec/MacAfee/E-Trust/Kaspersky/eScan/Trend Micro Microsoft Defender with 3 Years License
22	Webcam and Fingerprint	Integrated HD Webcam, Integrated Fingerprint, Reader (Optional)

ANNEXURE - 2

TECHNICAL SPECIFICATIONS FOR DESKTOP COMPUTERS - i7

TECHNICAL SPECIFICATION | DESKTOP COMPUTER		
SL.NO	**PARAMETER / COMPONENT**	**SPECIFICATIONS**
1	Processor	*X86 based processor Intel Core i7 or AMD Ryzen 5 or equivalent, Latest generation
2	Chipset & Motherboard	Commercial class chipset with processor & OEM Mother board with OEM logo on the motherboard TPM 1.2 or higher
3	RAM	1x16 GB DDR4, 3200 MHz or higher, expandable up to 64 GB with 2 DIMM slots
4	Hard Drive	1TB SSD or higher
5	Audio	Integrated HD Audio with Stereo Speakers
6	Ethernet	Integrated Gigabit Ethernet Connection [10/100/01000 Mbps]
7	Wi-Fi	Wireless LAN 802.11b//n with Bluetooth 4.0 or higher
8	Display Monitor	24" or higher, Anti Glare FHD IPS display, Low blue light, flicker free Display, HDMI and VGA port with VESA Mount kit for mounting mini desktop CPU on back, TCO 8.0 Certified,
9	Form Factor / cabinet	Less than 1.5L [Desktop Mini/Tiny PC/ Micro PC]
10	Keyboard	USB Keyboard [Same Make as PC]
11	Mouse	USB 2 button optical Scroll mouse [Same make as PC]
12	Ports	6 USB ports or higher [minimum 2 USB 3.2 Gen 2, 1 USB type C 3.2 Gen 2x2] 1 Ethernet [RJ-45] 2 DP Port 1 HDMI Head phone / Microphone combo jack (3.5 mm)
13	Certifications	For OEM : ISO 9001 : 2015 or Latest, ISO 14000, ISO 20000, ISO 27000, FCC CE, RoHS, Mil STD, Energy Star, TCO
		For PC : MS Windows, Energy Star, Mil STD, TCO, ROHS
14	Operating System	Pre-loaded Microsoft Windows 11 Pro 64 bit
15	Accessories	With required accessories, connecting cables and AC Adaptor should be supplied
16	Warranty	3 Years onsite comprehensive warranty
18	Security	Hardware based endpoint security controller TPM 2.0

		Integrated protection from malware that lurks on malicious websites
		Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications
19	Manageability	Computing endpoints with out-of-band manageability allowing technician to execute full remote control of computing endpoint over an Ethernet or Wi-Fi 802.11 connection, regardless of OS state. Endpoint could be on premise behind corporate firewall or outside the corporate firewall. IT admin should be able to monitor full boot up / reset sequence, including BIOS access, to identify any issue with the PC
20	Audio	Integrated HD audio with Stereo Speakers
21	Antivirus	*Pre-loaded with latest version of Antivirus* Symantec/MacAfee/E-Trust/Kaspersky/eScan/Trend Micro Microsoft Defender with 3 Years License
22	Webcam and Fingerprint	Integrated HD Webcam, Integrated Fingerprint, Reader (Optional)

ANNEXURE - 3

SCOPE OF WORK FOR BBMP COMPUTER LAB SETUP

The Bruhat Bengaluru Mahanagara Palike (BBMP) is taking a significant step towards enhancing education by providing computers for BBMP Schools and colleges. This initiative aims to facilitate smart education and technological empowerment. The project encompasses the following key aspects:

1. **UPS System Design and Installation:**
    - Provide a UPS system with sufficient capacity to ensure a minimum of 1-hour backup for all computers and associated IT equipment.
    - The service provider is responsible for assessing the estimated load and designing the UPS system accordingly.
2. **Rack Supply and Installation:**
    - Supply and install a 2U rack to house networking and IT equipment, ensuring efficient utilization of space within the lab.
3. **Network Infrastructure Setup:**
    - Supply and install a robust network switch to establish a seamless and high-speed network connection within the computer lab.
4. **Wi-Fi Connectivity Implementation:**
    - Provide and set up a reliable Wi-Fi router to facilitate wireless connectivity, enabling enhanced accessibility and mobility.
5. **LAN Connectivity Points:**
    - Supply and install D-Link 2 RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Dual Port Face Plate combos at designated points to ensure smooth LAN connectivity.
6. **Patch Cable Provisioning:**
    - Provide high-quality patch cables to establish secure and efficient connections between network devices and endpoints.
7. **Electrical Infrastructure Enhancement:**

- Install a dedicated electrical switchboard equipped with a switch and three power plug 3-pin sockets for wall/table/cubicle mounting to ensure uninterrupted power supply.

8. Wiring and Cabling:

- Supply and install the necessary length of electrical wires and networking cables to connect the switchboard, network switch, and network points, ensuring a well-organized and safe setup.

9. Casing and Duct Installation:

- Provide casing/duct for both networking and electrical wiring to safeguard and organize the cables, promoting a neat and hazard-free environment.

10. Site Visit for Accurate Quotation:

- The service provider is encouraged to conduct an on-site visit to assess the specific requirements and conditions, allowing for an accurate and tailored quotation.

SPECIFICATIONS:

SL.NO	ITEM TITLE	ITEM DESCRIPTION	SPECIFICATIONS	QTY.
1	UPS and batteries	The UPS should provide minimum 1 Hour power backup for 20 Computers	**UPS:** • Switching Technology: IGBT-PW • Input Voltage: AC Single phase 160V - 260V 50Hz • Output Voltage: AC Single phase 230V +/-1% 50 Hz • Warranty for UPS (Years): 3 • Overall Efficiency (%): >/=90% & <94% without Inbuilt isolation transformer • Power Factor Load Supported: 0.8 or better • Overload limit: 20% Overload for minimum 5 minute **Battery:** • ISI Marked: Yes • Battery Voltage: 12 Volt • Material of Container: Polypropylene Co-	11

			polymenr (PPCP) • Number of cells per battery: 6 Cells for 12 Volt Battery • Method of connections between cells: Bolted • Warranty (in Years): 3	
2	Network Rack	2U Network Rack with 3 Power Plug Socket	• Type of Server Racks: Portable Racks • Size of Server Rack Enclosure: 2U	11
3	Network Switch	24 Port unmanagable Gigabyte switch	• 1000 Base-T Interface 24 • Auto MDI/MDIX Yes • Switching Capacity 48Gbps • Max. Packet Forwarding Rate 35.712 Mbps • Switch intelligence Unmanaged • Port count 1000Base-T Interface x 24,120G CXP Interface • 120G CXP Interface Yes • Power Input AC 100V-240V	11
4	WiFi Router	Gigabyte WiFi Router with dual band support	• Gigabit Wireless Router, Dual Band, 1200 Mbps Wi-Fi Speed, 5 Gigabit Port, 4 External Antenna, Router	11
5	D-Link 2 RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Dual Port Face Plate	D-Link 2 RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Dual Port Face Plate	• As per the Standards	220
6	Patch cable 3M	3M Cat6 Patch cable	• Cat6 • Connector Type RJ45 • Connector GenderMale-to-Male • Length: 3M	220
7	Electrical Switch Board	Electrical Switch Board with Switch, 3 Power Plug 3 Pin socket for wall/table/cubical mount	• ISI certified and Industry Standard	220
8	Cable for electricity Wiring	The required length cable for electrical wiring	• Size 4 sq mm • ISI certified and Industry Standard	

			• Material: Copper • Voltage: 1100 Volts	
9	Cat 6 Cable for networking	The required length cable for networking	• Ethernet cable category Cat 6 • ISI certified and Industry Standard • Material: Copper • Data Transfer Rate 10 Gigabytes Per Second • Shape Round	
10	Casing	The required Casing for electric and network cable	• As per the Standards	
11	Installation and commissioning charges(including labour wages)	Installation and commissioning charges for electrical wiring, networking and testing		

ANNEXURE - 4

TECHNICAL SPECIFICATION: UPS - 1.0 KVA LINE INTERACTIVE 30 MINS BACKUP

SL NO	PARAMETER	DETAILS
1	Capacity	> 500 VA, Line interactive UPS
2	Back up time	30 minutes at 1 desktop load
3	Inverter type	MOSFET / 1GBT
4	Input	
a	Mains voltage Regulation	170-260 AC Single phase
b	Frequency with tolerance	50Hz, + 3Hz
c	Battery	Built in UPS only
d	Battery VAH	> 168 VAH
e	Battery Makes	Preferred Brands: Panasonic / Southern / Prime / Racket / YUASA / Exide/ CCB / Amaron/ Relicell / SF Sonic (ISO / TUV Certified / RAION Lithium / Emercion RAYS/ Sakti Accumulators
5	OUTPUT	
a	Nominal Voltage	220V/230 V AC
b	Voltage Regulation	+ 1%
c	FREQUENCY	50Hz + 1%
d	Wave Form	Quasi Sine wave
e	Transfer time	Less than 6 mses, typical
f	Load power factor	0.6 lag to unity
6	OTHER / GENERAL DATE	
a	Ambient Temperature range	0-45 deg C
b	Protections	Fuses for Input, Over Load, over / under Voltage,
c	Indications	Mins ON, Inverter ON, Battery Low, Overload
d	Alarms (Audio)	Battery low voltage
e	Power sockets	2 Nos. (5 Amps. Capacity)
f	software	Software for automatic shutdown of the system compatible.
g	Inverter Efficiency	Minimum 75%
h	Guarantee	3 Year including Battery

ANNEXURE - 5

COMMERCIAL BID FORMAT FOR Desktop Computers, UPS AND NETWORK EQUIPMENTS FOR LABS etc

SL NO.	ITEM	QTY (Nos)	COST PER UNIT	GST	TOTAL COST PER UNIT (6=4+5)	TOTAL BID VALUE FOR TOTAL NOS (7=3x6)
1	2	3	4	5	6	7
1	Desktop Computer (i5 Configaration)	890				
2	Desktop Computer (i7 Configaration)	20				
3	UPS - 1.0 KVA LINE INTERACTIVE 30 MINS BACKUP	377				
4	UPS and batteries (For Labs)	11				
5	Network Rack	11				
6	Network Switch	11				
7	WiFi Router	11				
8	D-Link 2 RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Dual Port Face Plate	220				
9	Patch cable 3M	220				
10	Electrical Switch Board	220				
11	Installation and commissioning charges(including labour wages etc Complete)	11				

The above rates are inclusive of transportation, taxes and any other incidental charges to complete the work to the logical end.

This format shall be uploaded in the financial bid section only not in the Technical Bid section

(Signature)
Name & Designation
Seal of Office

ANNEXURE - 6

FORMAT FOR EXPERIENCE/TURNOVER INFORMATION

Total turnover of the bidder during the preceding 3 years

Financial year	Details of Desktop computers Sold	Turnover in INR (Rs. In Lakhs)
2020-21		
2021-22		
2022-23		

Seal and Signature of the Authorized person

Note:

Bidder shall upload documents supporting the information furnished a per Annexure-6 along with Index and summary in excel, year wise as per below format.

Year:

Sl. No	Work Order No	Date	*Details of* Product supplied	*Supplied* To	Amount

ANNEXURE - 7

MANUFACTURER AUTHORIZATION FORM (MAF)

Ref No. BBMP/DCIO-IT/GL/905/2023-24 **Dated: __-__-2024**

To:
The Deputy Chief Information Officer-IT,
Second Floor, Annex-2 Building,
NR Square, BBMP,
Bengaluru - 560002
Email: dcio-it@bbmp.gov.in
Ph: 9480688000

Dear Sir /Madam,

Sub: Supply of Desktop Computers, UPS and Structural Local Area Network Equipments to BBMP Schools, Colleges and LABS.

We authorize M/s XYZ Limited, Bengaluru to offer their quotation, negotiate and conclude the contract with you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per terms and conditions of the tender and or the contract for the equipment and services offered against this invitation for tender offer by the M/s XYZ Limited, Bengaluru.

We hereby commit to the tender terms and conditions and will not withdraw our commitments during the process during the contract including warranty period.

In case, this authorized bidder during the warranty period fails to extend the required technical support for any reason as per the tender terms, we are submitting an undertaking that as an OEM, we shall take over the responsibilities *unconditionally*.

Yours Faithfully,

Seal and Signature
Of the Authorized Person

ANNEXURE - 8

COMPANY CONTACT INFORMATION FOR COMMUNICATION

THIS INFORMATION IS NEEDED IN CASE IT IS FOUND NECESSARY TO COMMUNICATE REGARDING THIS TENDER

SL. NO.	ITEM DESCRIPTION	DETAILS
1	Business Name of the company and its Registered office Postal address	
2	As incorporated in other tenders, alternate address of company/ bidder	
3	Name of the authorized Representative and designation who is uploading this RFP tender bids	
4	(a) E-mail- id (b) Alternate email -id	
5	(a) Contact Number (b) Alternate contact number	
6	Bidder / OEM shall enclose Information of the Corporate/ Regional/ authorized service centers list as per clause 8 of Section 3 (Additional Sheet shall be enclosed endorsing the Address and Contact Details of each Centre)	

Seal and Signature of the Authorized Person

ANNEXURE - 9

A. Places where Desktop Computers, UPS and Network Equipments to be supplied to the BBMP SCHOOLS, COLLEGES AND LABS

DETAILS OF HIGH SCHOOL / COLLEGE

SL NO.	NAME OF THE HIGH SCHOOL	NO.S OF COMPUTER
1	Murphy Town	10 Computer for 1 Lab

DETAILS OF PRE UNIVERSITY COLLEGE

SL NO.	NAME OF THE PRE UNIVERSITY COLLEGE	NO.S OF COMPUTER
1	Srirampura	20 Computer per 1 Lab
2	Bannappa Park	
3	Kasturba Nagara	
4	Tasker Town	
5	Dispensary Road	
6	Bhyraveshwaranagara	
7	Herohalli	
8	Pillanna Garden	

DETAILS OF GRADUATION COLLEGE

SL NO.	NAME OF THE GRADUATION COLLEGE	NO.S COMPUTER
1	Magadi Road	20 Computer per 1 Lab
2	Cleve Land Town	

DETAILS OF HIGH SCHOOLS

SL NO.	NAME OF THE HIGH SCHOOL	ADDRESS	NAME OF THE HEAD MASTERS	PHONE NUMBER
1	Austin Town (Boys	Near Corporation Maternity Hospital, Austin Town, Bangalore - 560047	Smt. Rajalakshmi	9844620977
2	Austin Town (Girls)	Near BDA Complex, Neelasandra, Austin Town, Bangalore - 560047	Sri. Syed Obedualla	9739541055
3	Bannappa Park	Opp: to Kempegowda Road Taluk Office, Bangalore - 560009	Smt. Shobha	9901237718
4	Basavanagudi	Ashokanagara, Near NR Colony Bus Stand, Bangalore - 560070	Sri. Suryakanth A. Mahale	9448305094
5	Brad way	Bangalore - 560051	Smt. Mehanaz M.I	9900859335
6	Byrasandra	1st Block, Main Road, Jayanagara, Byrasandra, Bangalore - 560011	Smt. Shashikala K	9980403068
7	Byraveshwaranagara	Mudlapalya, Bangalore.	Sri. C.V.Sundaresh	9342998265
8	Chamarajapete	Opp. To Edga Play Ground, BWSSB Seva Tane, Chamarajapete, Bangalore - 560018	Smt. Gulwar Parveen	9036151877
9	Cleveland Town	Near Ashoka Talkies, Frajer town, Bangalore - 560005	Sri. Venkatarayappa	9845358605
10	Cottonpete	K.V.Temple Street, Balepete Circle and Near Corporation Maternity Hospital, Bangalore - 560053	Smt. Lakshminarasamma	9731385763
11	Coxtown	Coxtown Circle, Bangalore-560005	Smt. Lathadevi .B.V	9342571289
12	Dispensory Road	Near Assistant Revenue Office, Commercial Street, Behind Police Station, Dispensary Road, Bangalore - 560001	Sri. Saleem	7892651273 7760097335
13	Gandhinagara	Near Kanishq Hotel, Gandhinagara, Bangalore - 560009	Sri. Chidanandappa Y	9611110748
14	Ganganagara	R.T.Nagara, Bangalore - 560006	Sri. Ramesh Kumaresh	7022274860
15	Herohalli	Byadarahalli, Ward No. 72	Sri. Nagaraju	9964047666
16	Jayamahal	Thimmaiah Road, Narayana Pille Road, Bangalore - 560005	Smt. Padmajanayak	9945033475
17	Jogupalya (Boys)	Ulsooru, Bangalore - 560008	Sri. Markandeya	9632329741

			B.S	
18	Jogupalya (Girls)	Ulsooru, Jogupalya, Bangalore - 560008	Smt. Jayanthi N	9731515387
19	Kasturiba Nagara	Near Ajadnagara Pipeline, Corporation maternity Hospital, Mysore Road, Bangalore - 560046	Sri. Mahesh Kumar K.P	9611359468
20	K.G.Nagara	K.G.Nagara, Bangalore - 560019	Smt. Vijaya	8971102739
21	Kodandapura (Malleshwaram)	Opp. To Corporation Play Ground, Kodanda Ramapura, Bangalore - 560003	Smt. Sujatha.R	8884767836
22	Laggere	# 33, Parvathi Nagara, Laggere Main Road, Bangalore - 560058	Sri. Govindaraju.M.C	8123457813
23	Magadi Road	1st Cross, magadi road, Bangalore - 560023	Smt. Doddamanni	9738281446
24	Marappanapalya	Behind Govt Soap Factory, Marappanapalya, Bangalore - 560002	Sri. Chidananda Gangaram Kamble	9611663625
25	Mattikere	Near Corporation Play Ground, Mattikere Layout, Bangalore - 560054	Smt. Tara S.P	7483285971
26	Murphy Town	Ulsooru, Bangalore - 560008	Sri. Abdul Rahim	9740515943
27	Pillanna Garden	Tanary Road, Bangalore - 56005	Sri. Somashekar N.L	8095893095
28	Padarayanapura	Near Corporation Maternity Hospital, J.J.Nagara, Bangalore.	Sri. Kottalagi Sadashiva Chandramma	9008742115
29	Shanthinagara	Berli Street, near Crematorium Shanthinagara, Bangalore - 560027	Sri Rafik Ujama	9916956098
30	Shakthi Ganapathi Nagara	Kamalanagara, Shakthi Ganapathi Nagara, Bangalore - 560079	Sri. Manjunatha M.R	9743436848
31	Srirampura (Girls)	Ramamanohara, Near Sarvodaya School, Bangalore - 560021	Sri. Lakshman N. Nayak	9480708305
32	Tasker Town (Boys)	Shivaji Circle, Shivajinagara, Bangalore - 560001	Sri. Harish Kumar S.P	9480683737
33	Vijayanagara	Vidyaranya Nagara, Magadi Road, Bangalore - 560040	Smt. Chaya Devi H	9341368753

DETAILS OF PRE UNIVERSITY COLLEGE

Sl No.	Name of the Pre University College	Address	Name of the Head Masters	Phone Number
1	Mattikere	Near Corporation Play Ground, Mattikere Layout, Bangalore - 560054	Smt. Kumudakshi	9449315267
2	Srirampura	Ramamanoharapura, Near Sarvodaya School, Bangalore - 560021	Sri. Venkatachalaiah C	9980632770
3	Chamarajapete	Near Eidga Play Ground, BWSSB Seva Station, Chamarajapete, Bangalore - 560018	Smt. Vijayalakshmi	9632282498
4	Bannappa Park	Kempegowda Road, Opp. To Taluk Office, Bangalore - 560009	Smt. Chetana	9632996842 7676458110
5	Magadi Road	1st Cross, Magadi Road, Bangalore - 560023	Sri. M.N.Basavaraju	9448589174
6	Padarayanapura	Near Corporation Maternity Hospital, J.J.Nagara, Bangalore.	Sri. Lalith Kumar	9902084336
7	Kastur Baa Nagara,	Near Aajad Nagara Pipeline, Corpoation Maternity Hospital, Mysore Road, Bangalore - 560046	Sri. Mahesh Kumar K.P	9611359468
8	Austin Town	Near Corporation Maternity Hospital, Austin Town, Bangalore - 560047	Sri Syed Obedulla	9739541055
9	Jogupalya (Girls)	Jogupalya, Bangalore - 560008	Smt. Jayanthi N.R.	9731515387
10	Tasker Town	Shivaji Circle, Shivajinagar, Bangalore - 560001	Sri. S.P.Harish Kumar	9480683737
11	Dispensory Road	Near Assistant Revenue Office, Dispensory Road, Bangalore - 560001	Smt. Shashikala B.M	9113626846
12	Clave Land Town	Near Ashoka Talkies, Frazer Town, Bangalore - 560005	Sri. Lakshmi Prasad	9964335552
13	Byraveshwaranagara	Moodalapalya, Bangalore.	Sri. Eshwarappa	9448506819
14	Herohalli	Herohalli	Sri. Nagaraju	9964047666
15	Kaverinagara	Someshwara Temple Road, Kaveripura, Bangalore.	Sri. Mohan Kumar	9448603872
16	Pillanna Garden	Tanary Road, Bangalore - 560005	Sri. Somashekar N.S	8095893095
17	Uttahalli	Uttarahalli, Ward No. 184, Bangalore - 560061	Sri. Appaji	9731343563
18	Thanisandra	Thanisandra, Bangalore.	Sri. Halliked	9945608618

			Vittal	
19	Shakthi Ganapathi Nagara	Kamalanagara, Shakthi Ganapathi Nagara, Bangalore - 560079	Sri. Manjunatha M.R	9743436848

UNDER GRADUATE AND POST GRADUATE COLLEGE

SL NO.	NAME OF THE GRADUATE COLLEGE	ADDRESS	NAME OF THE PRINCIPAL	PHONE NUMBER
1	Magadi Road	1st Cross, Magadi Road, Bangalore - 560023	Sri. Somashekhar B.H	9448883020
2	Kastur Baa Nagara	Near Azadnagara Pipeline, Corporation Maternity Hospital, Mysore Road, Bangalore - 560046	Sri Dr. Shivaji Jyothi	9886996131
3	Cleve Land Town	Near Ashoka Talkies, Frazer Town, Bangalore - 56005	Dr. Anand.K	9880876040 9480685248
4	Byraveshwaranagara	Moodalapalya, Bangalore	Sri. Suresh T.C	8123239229

Note: These locations are indicative may vary at the time of installation.

ANNEXURE - 10

COMPUTER REQUIREMENT CONSOLIDATED					
Sl No	OFFICES	Computer Systems		UPS	Network Infra structure for LAB
		i5	i7		
1	Dasarahalli Zone (Revenue & Engineering Offices)	25	-	25	-
2	O/o the Public Relation Office - Head Office	4	-	4	-
3	O/o the Nodal Officer HR Maintenance-2 / JC Dasarahalli - IPP Centre, Malleshwaram	10	-	10	-
4	O/o the Assistant Commissioner (Advertisement) (Head Office)	1	-	1	-
6	O/of the Head of the Legal Cell - Head Office	6	-	6	-
7	Revenue Department all Zones	320	-	320	-
8	O/of the IT Department - Head Office	-	20	-	-
9	Education Department (Schools, Colleges and Labs)	524	-	-	-
Education Department (Labs)					
10	UPS and batteries	-	-	-	11
11	Network Rack	-	-	-	11
12	Network Switch	-	-	-	11
13	WiFi Router	-	-	-	11
14	D-Link 2 RJ45 CAT6E LAN I/O Network Keystone Jack + Gang Box + Dual Port Face Plate	-	-	-	220
15	Patch cable 3M	-	-	-	220
16	Electrical Switch Board	-	-	-	220
GRAND TOTAL		**890**	**20**	**366**	

Note: These locations are indicative may vary at the time of installation.